

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046321.D
 Acq On : 13 Dec 2021 17:28
 Operator : SY/MD
 Sample : M4971-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 03:41:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 14 03:19:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

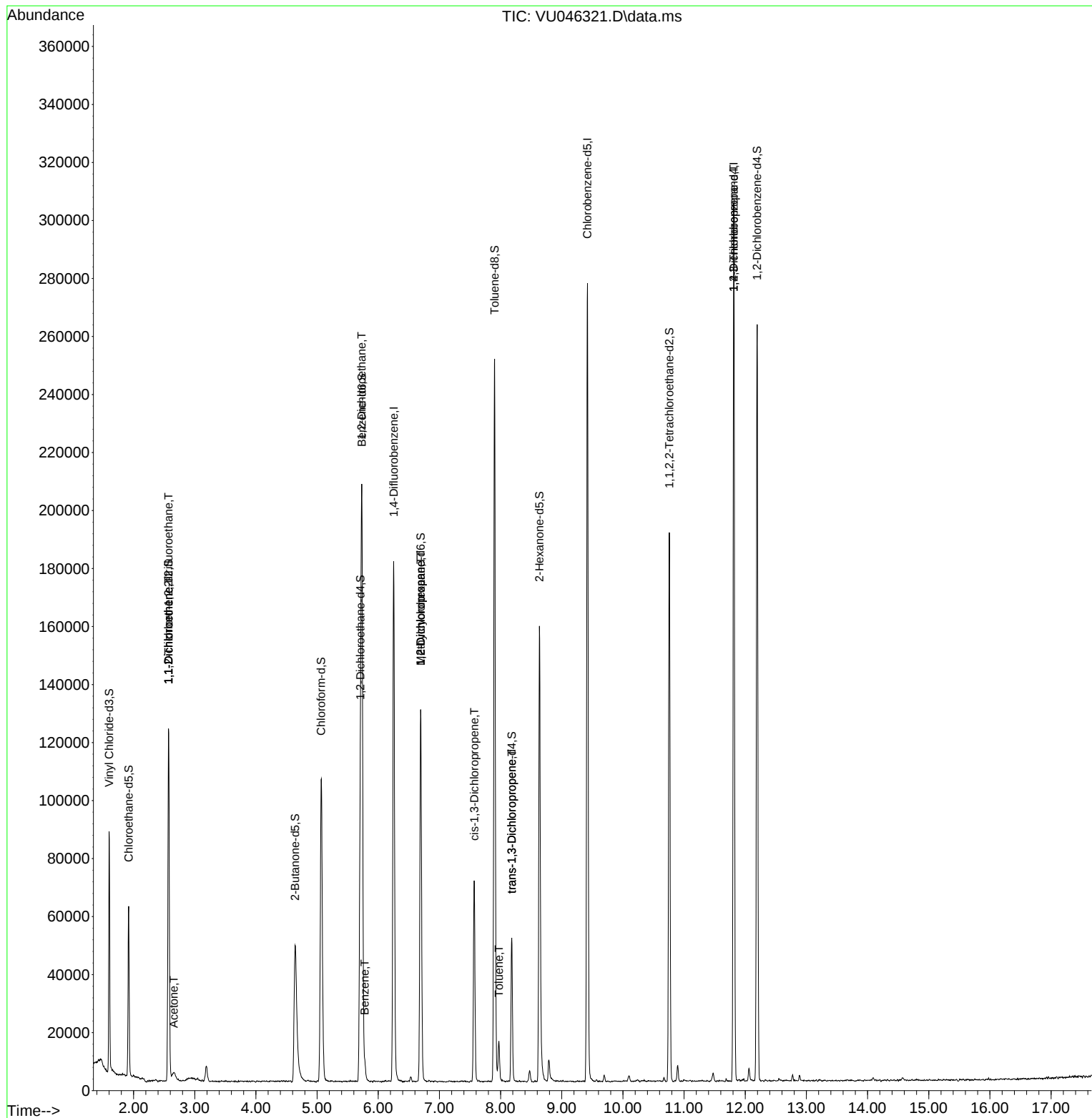
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	145704	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	152561	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	76250	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	57640	48.024	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.040%		
7) Chloroethane-d5	1.919	69	42632	46.262	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.520%		
11) 1,1-Dichloroethene-d2	2.572	63	72885	33.827	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.660%		
21) 2-Butanone-d5	4.642	46	85264	89.363	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.360%		
24) Chloroform-d	5.067	84	91426	45.614	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.220%		
26) 1,2-Dichloroethane-d4	5.707	65	65179	48.456	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.920%		
32) Benzene-d6	5.732	84	192352	43.990	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.980%		
36) 1,2-Dichloropropane-d6	6.694	67	59703	44.056	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.120%		
41) Toluene-d8	7.903	98	165546	41.581	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.160%		
43) trans-1,3-Dichloroprop...	8.182	79	28219	43.136	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.280%		
47) 2-Hexanone-d5	8.636	63	57168	88.973	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.970%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	94164	45.818	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.640%		
66) 1,2-Dichlorobenzene-d4	12.195	152	66152	45.049	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.100%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	550	0.519	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	509	0.505	ug/L #	1
13) Acetone	2.658	43	3169	2.658	ug/L	98
27) 1,2-Dichloroethane	5.729	62	988	0.618	ug/L #	73
33) Benzene	5.780	78	4750	1.029	ug/L	100
35) Methylcyclohexane	6.694	83	14740	7.815	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6699	5.538	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	1807	0.982	ug/L	87
42) Toluene	7.973	91	10132	2.045	ug/L	100
44) trans-1,3-Dichloropropene	8.182	75	1364	0.755	ug/L	86
60) 1,2,3-Trichloropropane	11.812	75	9676	5.789	ug/L #	65

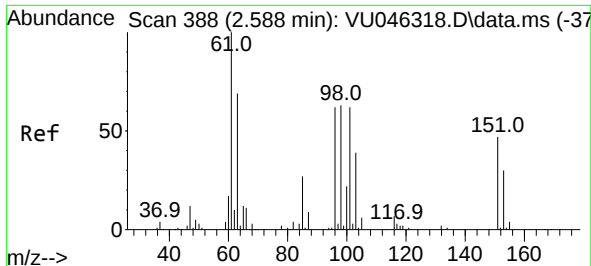
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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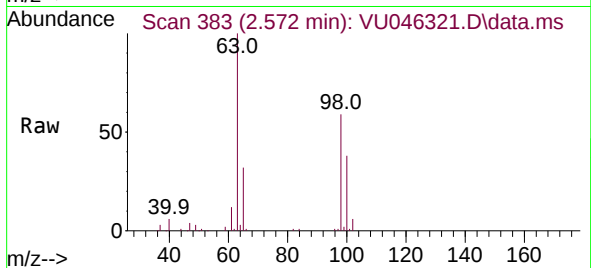
Quant Time: Dec 14 03:41:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 14 03:19:41 2021
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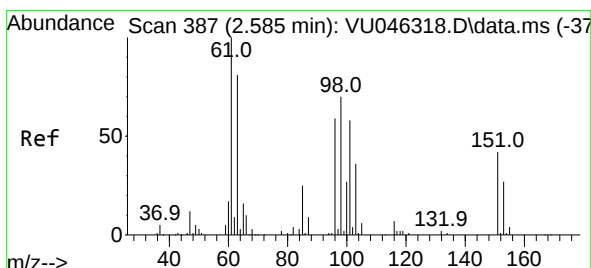
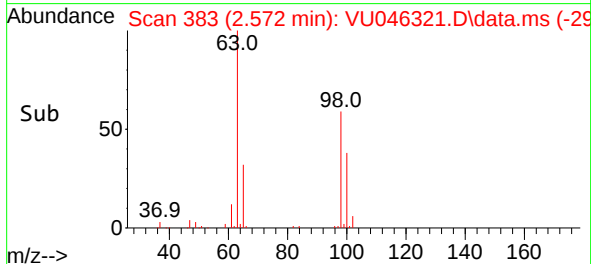
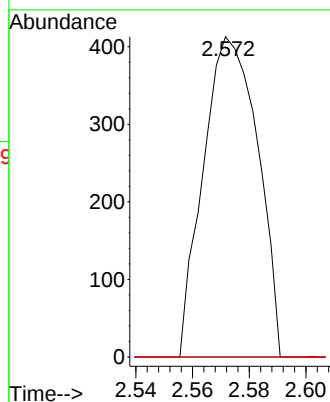


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.519 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046321.D
 Acq: 13 Dec 2021 17:28

Instrument :
 MSVOA_W
 ClientSampleId :

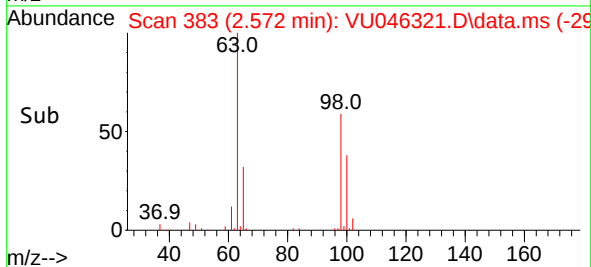
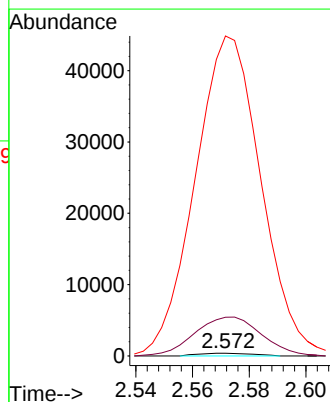
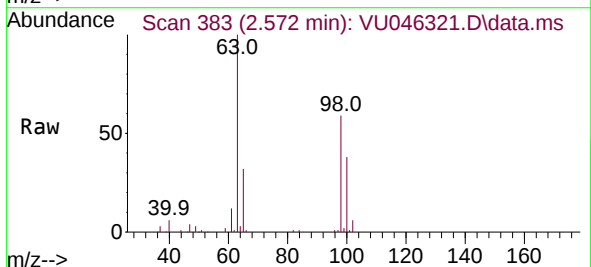


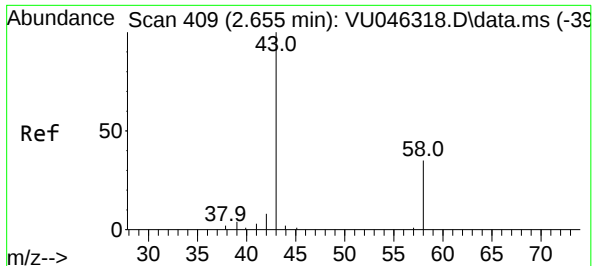
Tgt Ion: 101 Resp: 550
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.505 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.013 min
 Lab File: VU046321.D
 Acq: 13 Dec 2021 17:28

Tgt Ion: 96 Resp: 509
 Ion Ratio Lower Upper
 96 100
 61 1417.5 118.6 220.2#
 63 11713.8 93.0 172.8#





#13

Acetone

Concen: 2.658 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.003 min

Lab File: VU046321.D

Acq: 13 Dec 2021 17:28

Instrument :

MSVOA_W

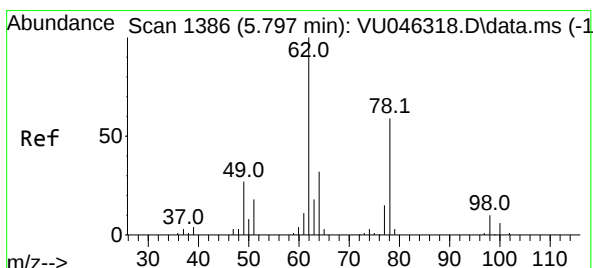
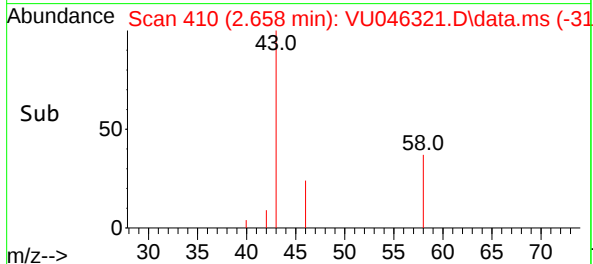
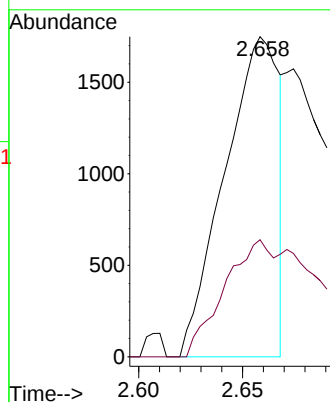
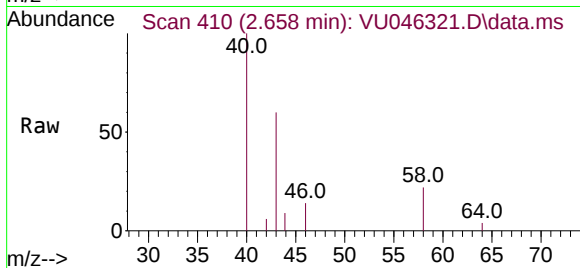
ClientSampleId :

Tgt Ion: 43 Resp: 3169

Ion Ratio Lower Upper

43 100

58 32.5 0.0 66.8



#27

1,2-Dichloroethane

Concen: 0.618 ug/L

RT: 5.729 min Scan# 1365

Delta R.T. -0.068 min

Lab File: VU046321.D

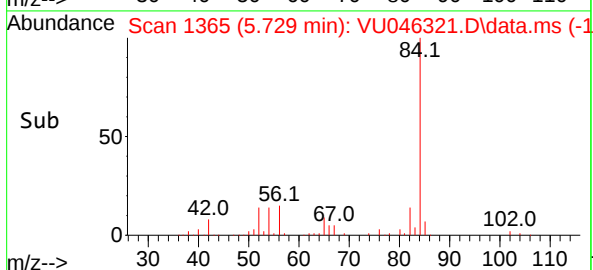
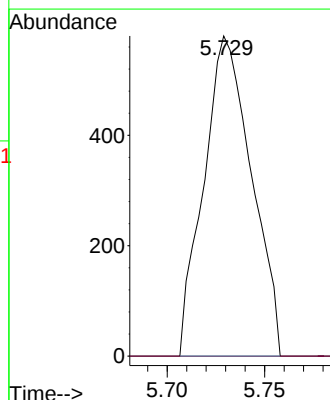
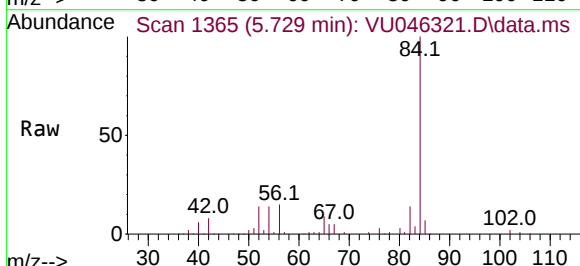
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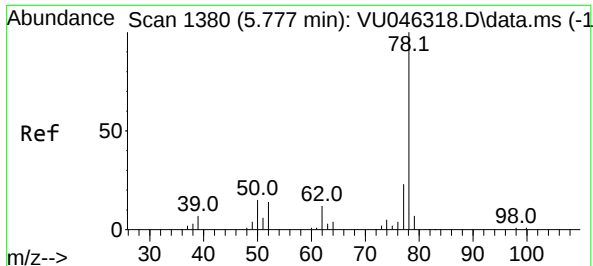
Tgt Ion: 62 Resp: 988

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#

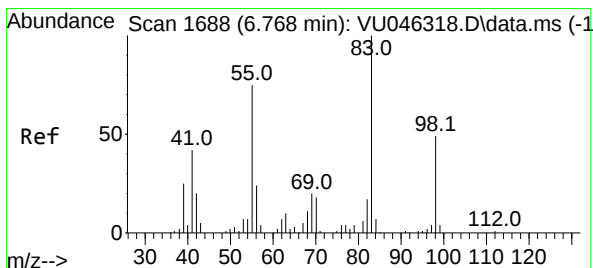
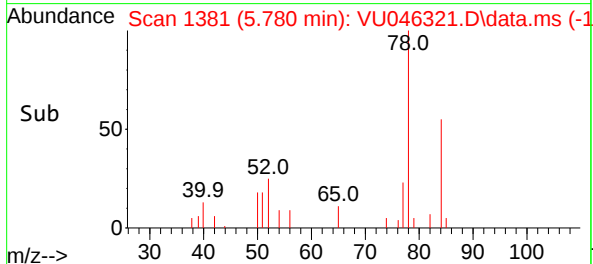
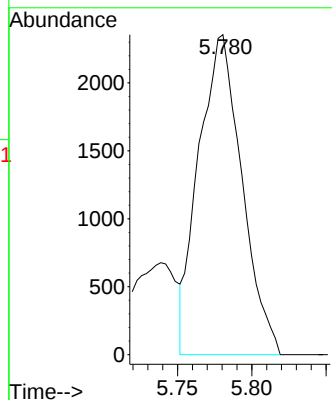
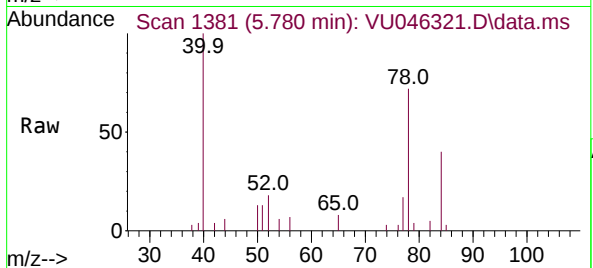




#33
Benzene
Concen: 1.029 ug/L
RT: 5.780 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046321.D
Acq: 13 Dec 2021 17:28

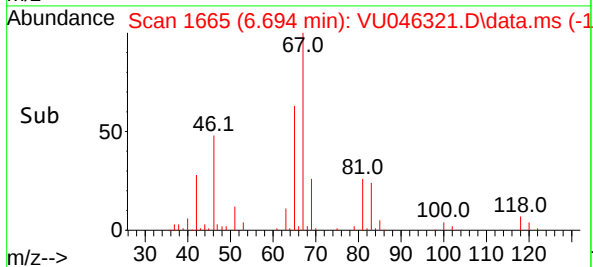
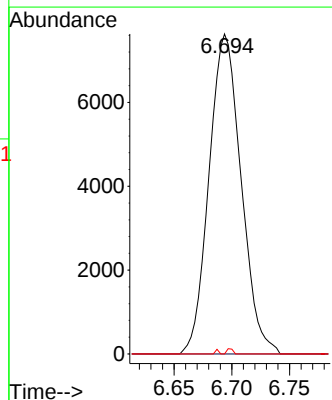
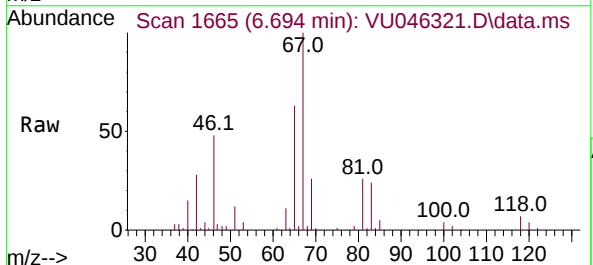
Instrument :
MSVOA_W
ClientSampleId :

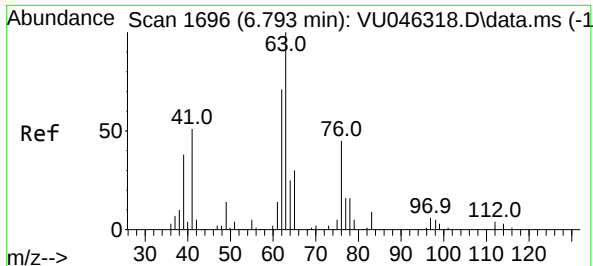
Tgt Ion: 78 Resp: 4750



#35
Methylcyclohexane
Concen: 7.815 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046321.D
Acq: 13 Dec 2021 17:28

Tgt Ion: 83 Resp: 14740
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.3 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.538 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046321.D

Acq: 13 Dec 2021 17:28

Instrument :

MSVOA_W

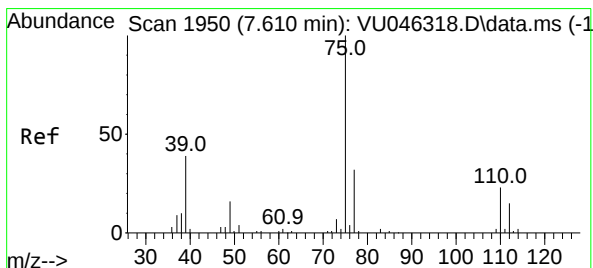
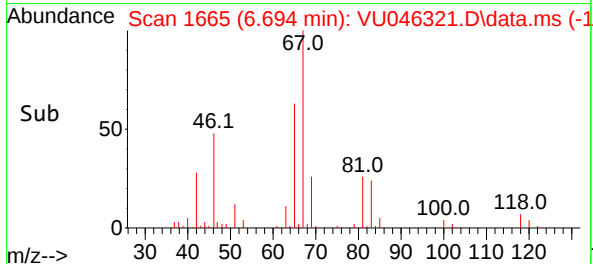
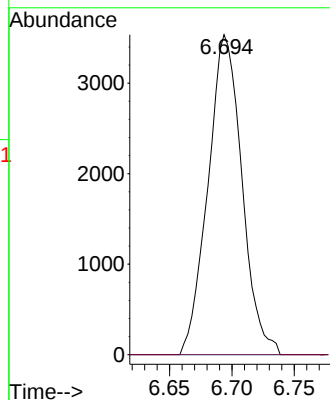
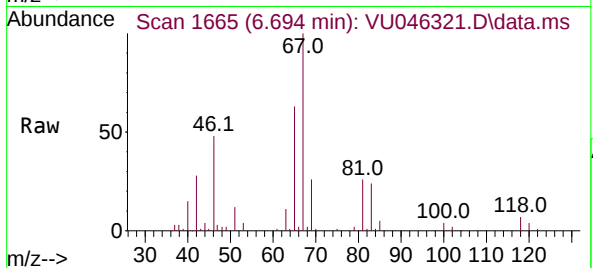
ClientSampleId :

Tgt Ion: 63 Resp: 6699

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.982 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.039 min

Lab File: VU046321.D

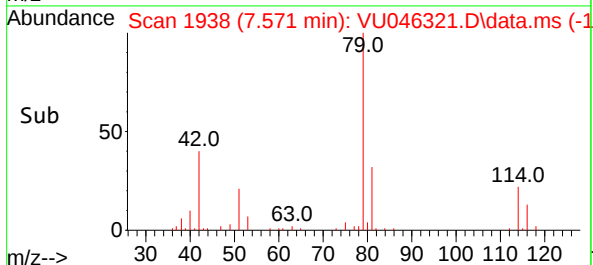
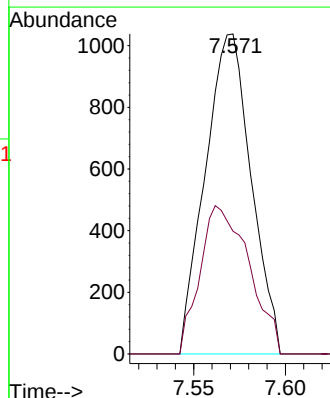
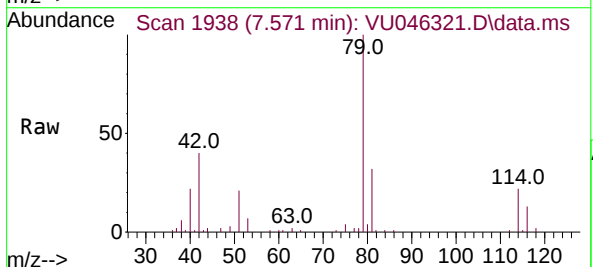
Acq: 13 Dec 2021 17:28

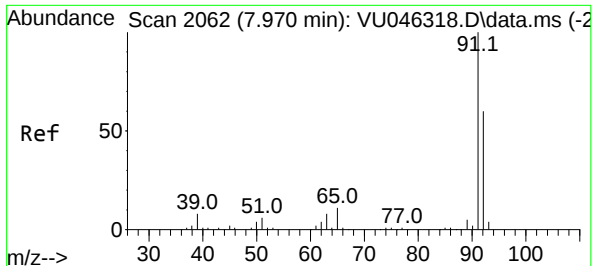
Tgt Ion: 75 Resp: 1807

Ion Ratio Lower Upper

75 100

77 38.3 21.8 40.6





#42

Toluene

Concen: 2.045 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU046321.D

Acq: 13 Dec 2021 17:28

Instrument :

MSVOA_W

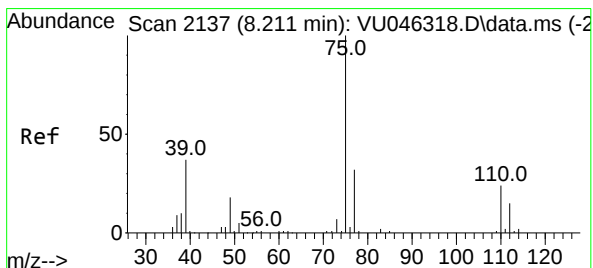
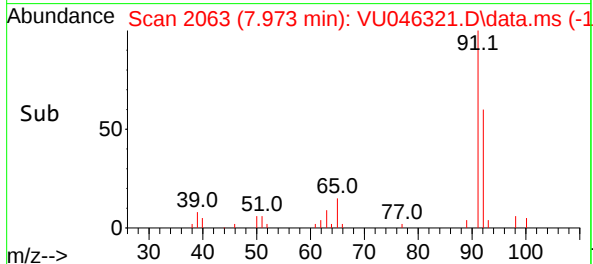
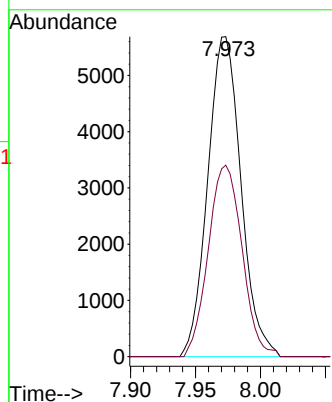
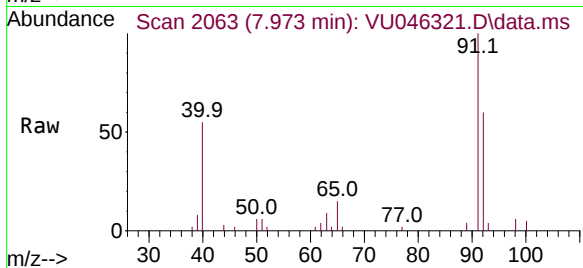
ClientSampleId :

Tgt Ion: 91 Resp: 10132

Ion Ratio Lower Upper

91 100

92 59.9 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 0.755 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU046321.D

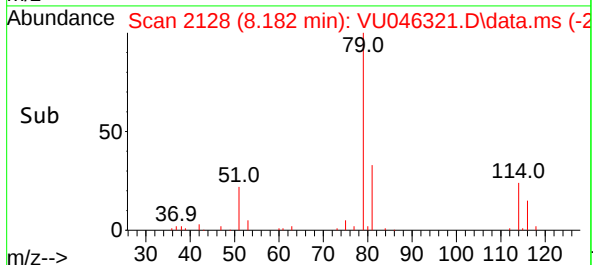
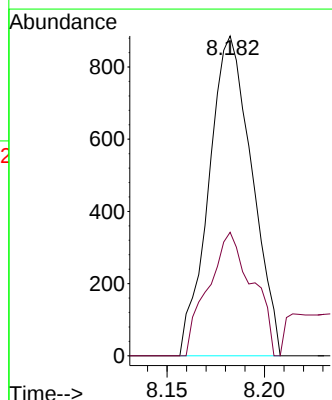
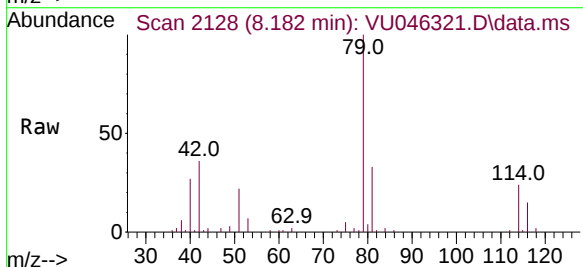
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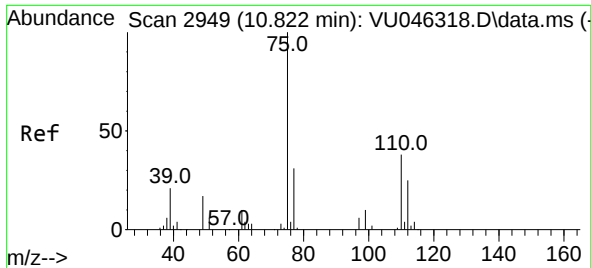
Tgt Ion: 75 Resp: 1364

Ion Ratio Lower Upper

75 100

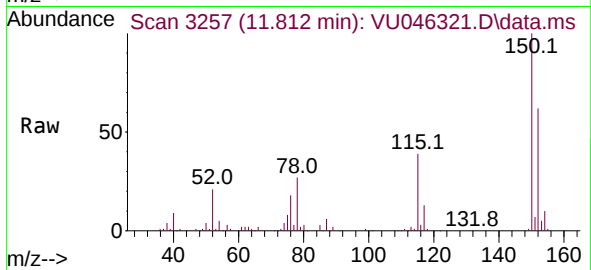
77 38.6 21.7 40.3





#60
 1,2,3-Trichloropropane
 Concen: 5.789 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU046321.D
 Acq: 13 Dec 2021 17:28

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 9676
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.4 39.6
 110 2.2 32.4 48.6#

